

01/16/02
JC903 U. S. PTO

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PTO/SB/05 (03-01)

Approved for use through 10/31/2002 OMB 0651-0032

U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No : EMCORE 3.0-069

First Inventor : Alexander Guryay

Title : REACTOR HAVING A MOVABLE SHUTTER

Express Mail Label No.

EL804517375US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

1 Fee Transmittal Form (e.g., PTO-SB 17)
Submit an original and a duplicate for fee processing.

2 Applicant claims small entity status
See 37 CFR 1.27

3 Specification [Total Pages 21]
prefered arrangement set forth below
- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fee Sponsored R & D
- Reference to sequence listing, table
- Computer program listing appendix
- Background of the invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claims
- Abstract of the Disclosure

4 Drawing(s) (35 U.S.C. 113) [Total Sheets 4]

5 Oath or Declaration [Total Pages 1]
a Newly executed (original or copy)
b Copy from a prior application (37 CFR 1.63(d))
for continuation or divisional with Box 16 completed
c DELETION OF INVENTOR(S)
Signed statement attached detailing inventor(s) named in the prior application or see 37 CFR 1.63(d) (2) and 1.33(c)

6 Application Data Sheet. See 37 CFR 1.76

7 CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8 Nucleotide and/or Amino Acid Sequence Submission
if applicable, all necessary

a Computer Readable Form (CRF)

b Specification Sequence Listing on

CD-ROM or CD-R (2 copies), or paper

c Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9 Assignment Papers (cover sheet & document(s))

10 37 CFR 3.73(b). Statement
when there is an assignee Power of Attorney

11 English Translation Document (if applicable)

12 Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations

13 Preliminary Amendment

14 Return Receipt Postcard (MPEP 503)
Should be specifically itemized

15 Certified Copy of Priority Document(s)
if foreign priority is claimed

16 Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i)
Applicant must attach form PTO/SB 35 or its equivalent

17 Other Unexecuted Declaration

18 If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76

Continuation Divisional Continuation-in-part (CIP) of prior application No. _____

Prior application information Examiner _____

Group / Art Unit _____

For CONTINUATION or DIVISIONAL APPS only. The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label



or Correspondence address below

000530

Name _____

Address _____

City _____

State _____

Zip Code _____

Country _____

Telephone _____

Fax _____

Name (Print Type) _____

Michael J. Doherty

Registration No. (Attorney/Agent) _____

40,592

Signature _____

Michael J. Doherty

Date _____

January 16, 2002

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01/16/02
510/04642

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

Application claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 956.00)

Complete if Known

Application Number	Not Yet Assigned
Filing Date	
First Named Inventor	Alexander Gurary
Examiner Name	Not Yet Assigned
Group Art Unit	N/A
Attorney Docket No	EMCORE 30-069

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None

Deposit Account

Deposit Account Number: 12-1095

Deposit Account Name: Lerner, David, Littenberg, Krumholz & Mentlik, LLP

The Commissioner is hereby authorized to: check all that apply

Charge fee(s) indicated below. Credit any overpayments

Charge any additional fees(s) during the pendency of this application

Charge fee(s) indicated below, except for the filing fee

to the above-identified deposit account

FEE CALCULATION (continued)**3. ADDITIONAL FEES****Large Entity** **Small Entity**

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
105	100	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIP prior to Examiner action	
113	1,340*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	410	216	200	Extension for reply within second month	
117	620	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	520	220	260	Filing a brief in support of an appeal	
121	230	221	140	Request for oral hearing	
128	1,510	38	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
121	130	222	130	Fetitions to the Commissioner	
125	60	223	50	Processing fee under 37 CFR 1.17(q)	
126	180	226	150	Submission of Information Disclosure Stmt	
58*	40	58*	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	
148	740	249	370	For each additional invention to be examined (37 CFR 1.129(h))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00)

** or number previously paid if greater. For Reissues, see above

SUBMITTED BY

Complete if applicable

Name, Print, Type	Michael J. Doherty	Registration No Attorney/Agent	40,592	Telephone	(908) 518-6337
Signature	<i>Michael J. Doherty</i>			Date	January 16, 2002